

AMENDMENTS TO THE DRAWINGS

The attached "Replacement Sheets" of drawings include changes to Figures 3(a), and Figures 10-16. The attached "Replacement Sheets," which include Figures 3(a)-3(b), and Figures 10-16, replace the original sheets including Figures 3(a)-3(b), and Figures 10-16.

Attachment: Replacement Sheets

REMARKS

Favorable reconsideration of this application in light of the following discussion is respectfully requested. Claims 1-16 are pending in the subject application, with claims 7-16 having been added by way of the present Amendment. Claims 1 and 6 are independent claims.

Drawings

The Examiner suggests that FIGs. 3a and 10-16 should be labeled "PRIOR ART." Applicants have amended the drawings by way of this response taking into account the suggestions made by the Examiner.

The Examiner objects to the drawings alleging that FIG. 7 is not referenced in the specification. Although FIG. 7 was originally referenced on page 15 of the specification, Applicants have amended page 30 of the specification in order to correct a minor typographical error regarding the reference of FIG. 7.

Withdrawal of this rejection is kindly requested.

Priority Documents

Applicants thank the Examiner for the acknowledgement of Applicants' claim for priority under 35 U.S.C. § 119, and indication that all necessary priority documents have been received.

Information Disclosure Statement

Applicants acknowledge and thank the Examiner for the consideration of the references cited in the Information Disclosure Statements filed July 18, 2003 and January 14, 2004.

Abstract

Applicants have amended the Abstract in response to the Examiner's objection.

Prior Art Rejection

The Examiner rejects claims 1, 2 and 4-6 over Applicants' Admitted Prior Art (AAPA) figure 12 in view of Chee (U.S. Patent No. 6,088,806, hereinafter "Chee") and further in view of Renganathan (U.S. Patent No. 5,615,376, hereinafter "Renganathan") under 35 U.S.C. § 103(a). This rejection is respectfully traversed.

On page 4 of the Office Action, the Examiner correctly acknowledges that both AAPA and Chee fail to teach a driving control circuit, "**stopping driving of the clock signal generation circuit in the inaction period**," as claimed in claim 1. The Examiner relies upon Renganathan to allegedly teach this feature. In support of the alleged combination, the Examiner alleges that the skilled artisan would be motivated to combine the teachings of Renganathan with AAPA and Chee in order to "create a display device capable of realizing a reduction of power consumption during periods in which the circuits are not

being used during a time in which the display device is active but are enabled only when it is necessary to refresh the display screen." Office Action, pp. 5.

Applicants disagree in that the skilled artisan would clearly **not** have been motivated to combine the teachings of AAPA, Chee and/or Renganathan to arrive at the claimed invention as claimed in claim 1.

Initially, in the display device of AAPA, the clock signal generation circuit 106 of FIG. 12 must operate during the non-scanning period (i.e., the inaction or non-scanning period) so as to supply a dot clock to the H counter 107 and the V counter 108. Accordingly, modifying the display device of AAPA with the teachings of Renganathan, as alleged by the Examiner, would clearly **render the display device of AAPA inoperative**. See, Specification, pp. 22, 1st full paragraph. Contrary to the Examiner's allegation, AAPA cannot be combined with Renganathan.

Moreover, Chee is directed to a power-down circuit in a lap-top computer which cooperates with a separate monitor circuit. The circuit of Chee operates to shut down the clock in a power down mode and stops a clocking signal to certain circuitry, while clocking the monitor circuit. Chee is not, however, relevant to the claimed invention as claimed in claim 1.

Chee is directed to a system with a lap-top computer and monitor, wherein the lap-top computer includes one monitor and the lap-top itself is connected to a second monitor. See, Chee, FIG. 1. In contrast, the claimed invention, as claimed in claim 1 is directed to driving an active matrix panel liquid crystal display circuit. Accordingly, Chee has nothing to do with the

claimed invention. Therefore, there is no motivation for combining the teachings of the Chee with those of AAPA or Renganathan to arrive at the claimed invention.

For at least these reasons, the skilled artisan would **not** have looked to combine the teachings of Chee or Renganathan with the teachings of AAPA at the time the invention was made. As such, a *prima facie* case of obviousness has **not** been properly established and the Examiner's rejection under 35 U.S.C. § 103(a) in view of AAPA, Chee and Renganathan is deficient. Claim 1 is in condition for allowance.

Claim 6 is also allowable for reasons somewhat similar to those set forth above with regard to claim 1. Claims 2, 4 and 5 are allowable at least by virtue of their dependency from claim 1.

Withdrawal of this rejection is kindly requested.

Further Prior Art Rejections

The Examiner further rejects claim 3 in view of AAPA, Chee, Renganathan and Tsuda et al. (U.S. Patent Publication No. 2002/0180673, hereinafter "Tsuda") under 35 U.S.C. § 103(a). This rejection is respectfully traversed in that the Examiner's alleged combination of AAPA, Chee, Renganathan and Tsuda is deficient for at least reasons somewhat similar to those set forth above.

New Claims

Applicants have added new claims 7-16, which are believed to be allowable at least by virtue of their dependency from claims 1 or 6.

Conclusion

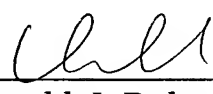
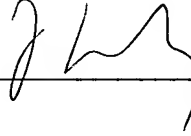
In view of above remarks, reconsideration of the outstanding rejection and allowance of the pending claims is respectfully requested.

If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone Andrew M. Waxman, Reg. No. 56,007, at the number of the undersigned listed below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY & PIERCE, PLC

By  
Donald J. Daley
Reg. No. 34,313

DJD/AMW:jcp



P.O. Box 8910
Reston, VA 20195
(703) 668-8000